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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,271	01/21/2004	Kia Silverbrook	RRA25US	1032

24011 7590 08/11/2006

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393 DARLING STREET
BALMAIN, NSW 2041
AUSTRALIA

EXAMINER

UHLENHAKE, JASON S

ART UNIT	PAPER NUMBER
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2853

DATE MAILED: 08/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

51

Office Action Summary	Application No.		Applicant(s)	
	10/760,271		SILVERBROOK, KIA	
	Examiner		Art Unit	
	Jason Uhlenhake		2853	

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
 4a) Of the above claim(s) 5 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schalk et al (U.S. Pat. 6,749,298) in view of Ando et al (U.S. Pat. 6,631,963) and Menendez et al (U.S. Pat. 6,027,209)

Schalk et al discloses:

- ***regarding claim 1***, a number of mechanisms auxiliary to cartridge including a print media transport assembly and printhead capper drive assembly; a single motor; a transmission assembly coupling the single motor to each of the number of mechanisms (wiping, capping, media transport assembly, pick assembly, feed assembly), and an inkjet cradle (32) (Column 1, Lines 45 – 60; Column 3, Lines 1 – 17, 54-58; Column 4, Lines 15 – 30)

Schalk et al does not disclose expressly:

- ***regarding claim 1***, an inkjet printer cartridge of a type including a pagewidth printhead

- a printhead capper drive assembly being configured to operatively engage with a capper assembly of the printer cartridge upon removable engagement of the printer cartridge with the cradle

Ando et al discloses:

- ***regarding claim 1***, inkjet printer cartridge of a type including a page-width printhead (120) (Figure 1; Column 4; Lines 59 – 67; Column 5, Lines 1 – 11), for the purpose of improving printing speed of the apparatus.

Menendez et al discloses:

- ***regarding claim 1***, a printhead capper drive assembly being configured to operatively engage with a capper assembly of the printer cartridge upon removable engagement of the printer cartridge with the cradle (Column 3, Lines 11-27; Column 10, Lines 24-30), for the purpose of preventing damage to the printhead.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of inkjet printer cradle complementary to an inkjet printer cartridge of a type including a page-width printhead; a printhead capper drive assembly being configured to operatively engage with a capper assembly of the printer cartridge upon removable engagement of the printer cartridge with the cradle as taught by Ando et al and Menendez et al into the device of Schalk et al, for the purpose of improving the printing speed of the apparatus and preventing damage to the printhead.

Claim 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schalk et al (U.S. Pat. 6,749,298) as modified by Ando et al (U.S. Pat. 6,631,963) and Menendez et al (U.S. Pat. 6,027,209) as applied to claim 1 above, and further in view of Horikoshi et al (U.S. Pat. 4,832,918).

Schalk et al as modified by Ando et al and Menendez et al discloses:

- ***regarding claim 2***, wherein the number of mechanisms include a print media transport assembly (Figure 1; Column 2, Lines 29 – 38)

Schalk et al as modified by Ando et al does not disclose expressly:

- ***regarding claim 2***, wherein the number of mechanisms include an air compressor
- ***regarding claim 3***, wherein the transmission assembly includes a direct drive coupling between the compressor and the spindle/shaft of the motor

Horikoshi et al discloses:

- ***regarding claim 2***, wherein the number of mechanisms include an air compressor (Column 2, Lines 12 – 16; 1 of Figure 1), for the purpose of producing air used to remove particles from the printing apparatus.
- ***regarding claim 3***, wherein the transmission assembly includes a direct drive coupling between the compressor (1) and the spindle (8, motor shaft) of the motor (4) (Figure 1), for the purpose of operating the air compressor by the single motor.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of number of mechanisms include an air compressor; the transmission assembly includes a direct drive coupling between the compressor and the spindle of the motor as taught by Horikoshi et al into the device of Schalk et al as modified by Ando et al and Menendez et al, for the purpose of producing air used to remove particles from the printing apparatus and operating the air compressor by a single motor.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Schalk et al (U.S. Pat. 6,749,298) as modified by Ando et al (U.S. Pat. 6,631,963) and Menendez et al (U.S. Pat. 6,027,209) as applied to claim 1 above, and further in view of Hansen et al (U.S. Pat. 4,719,474)

Schalk et al as modified by Ando et al and Menendez et al disclose all of the above limitation except for the following:

- ***regarding claim 4***, a worm gear extended from a spindle of the motor and meshed with a cog of the print media transport assembly and a cog of the printhead capper drive assembly

Hansen et al discloses:

- ***regarding claim 4***, a worm gear extended from a spindle of the motor (94, Figures 2, 3) and meshed with a cog of the print media transport assembly (Figure 9; Column 5, Lines 49 – 60), for the purpose of transporting media through the transport assembly of the printing apparatus.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of a worm gear extended from a spindle of the motor and meshed with a cog of the print media transport assembly and a cog of the printhead capper drive assembly as taught by Hansen into the device of Schalk et al as modified by Ando et al and Menendez et al, for the purpose of transporting media through the transport assembly of the printing apparatus and control multiple mechanisms of the apparatus.

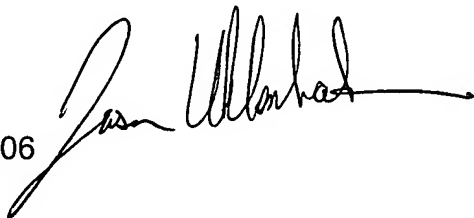
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Uhlenhake whose telephone number is (571) 272-5916. The examiner can normally be reached on Monday - Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JSU
July 26, 2006


K. FEGGINS
PRIMARY EXAMINER